

FIG. 1

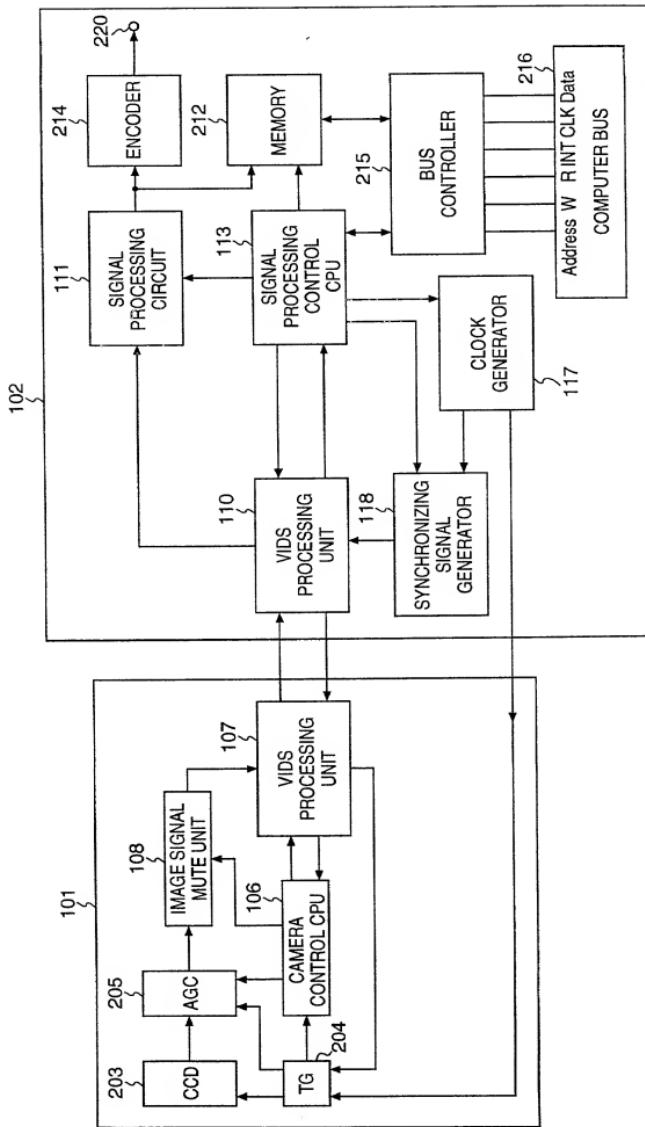
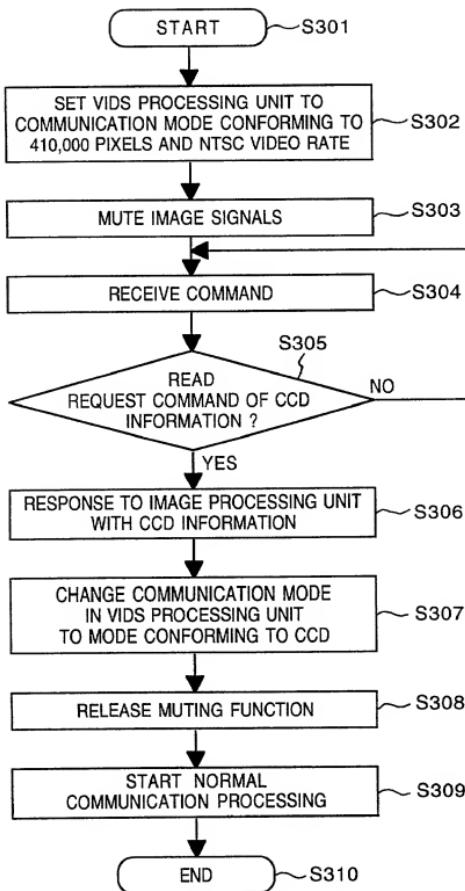


FIG. 2



DRAFT - DRAFT - DRAFT

FIG. 3

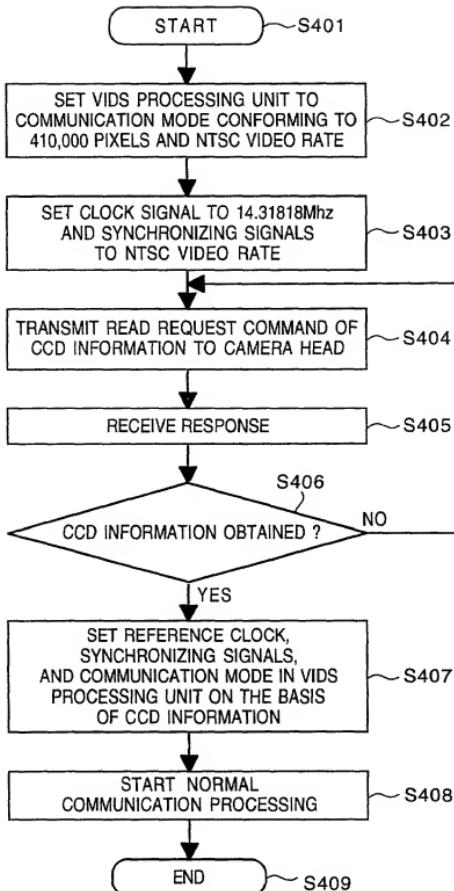
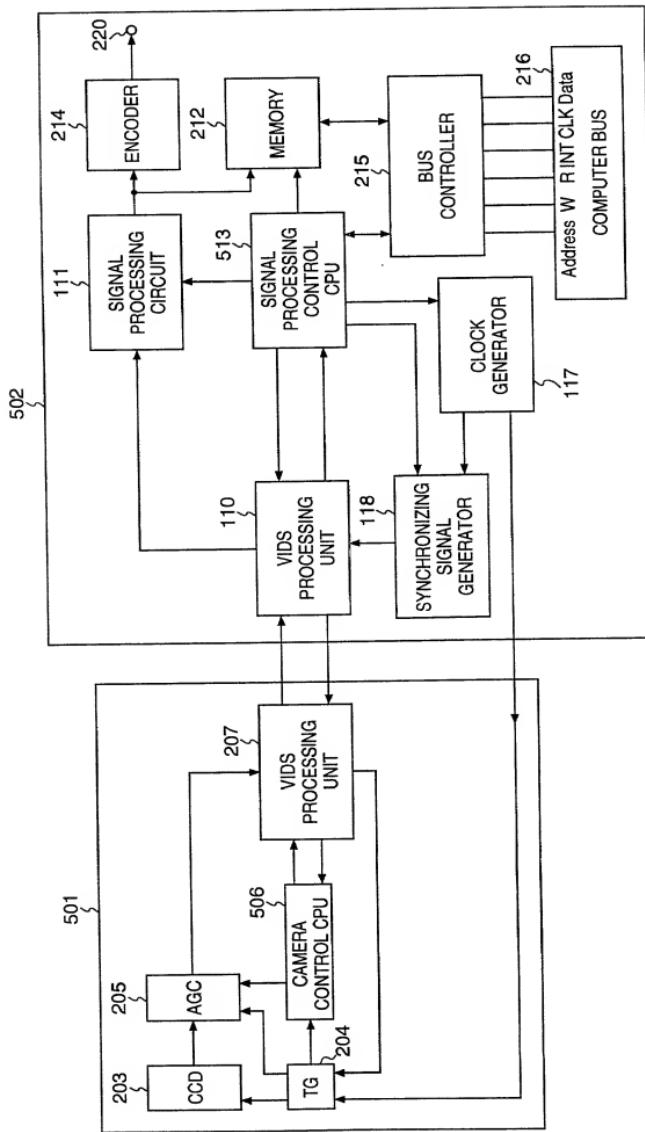
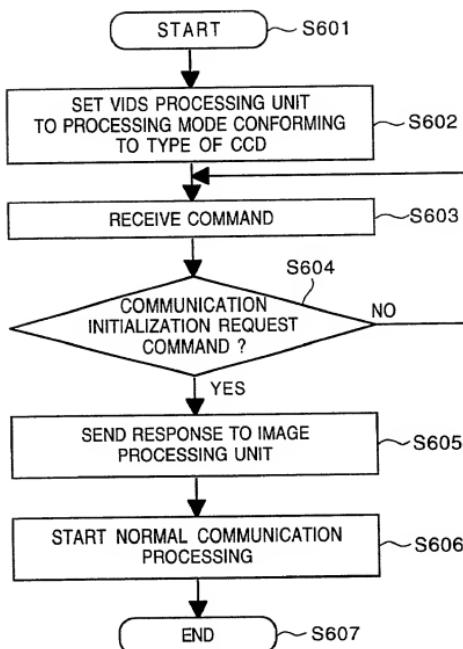


FIG. 4

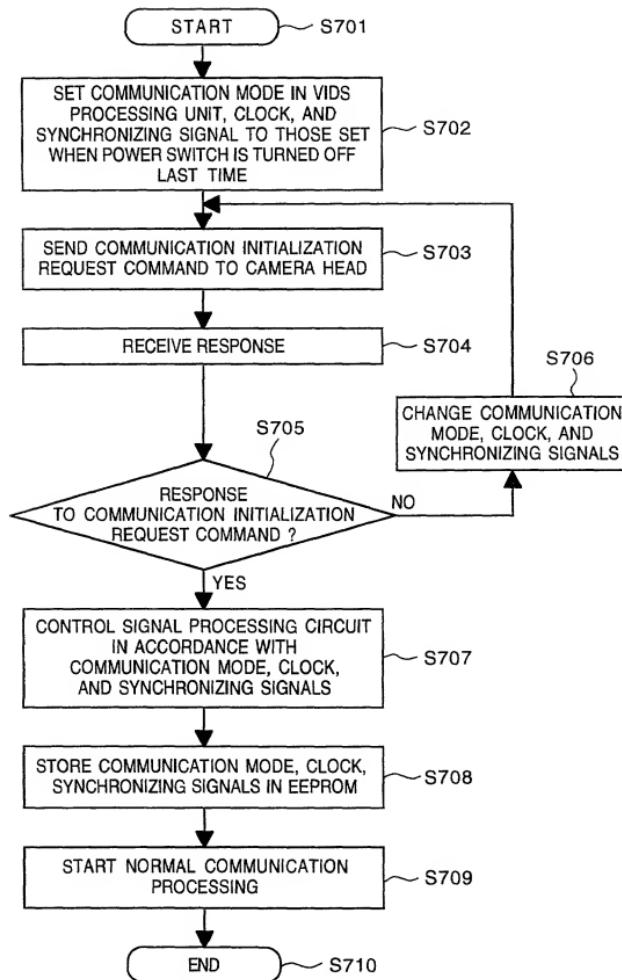


F I G. 5



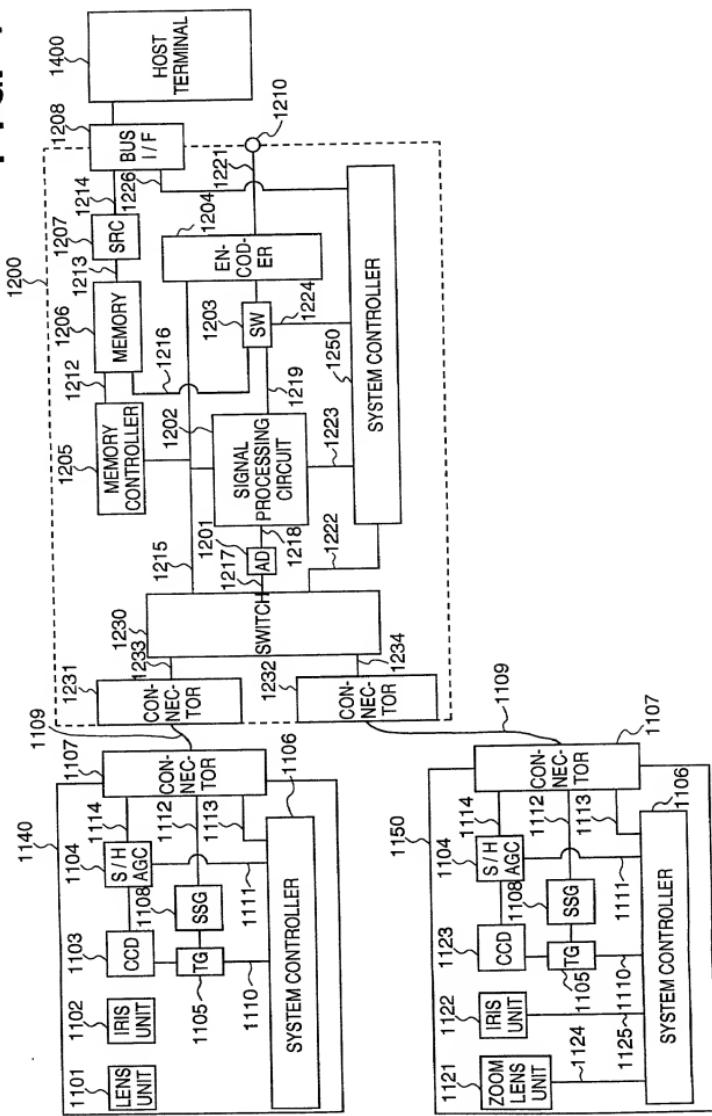
0387353 - 01202

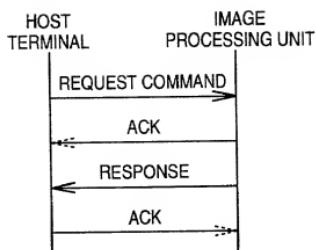
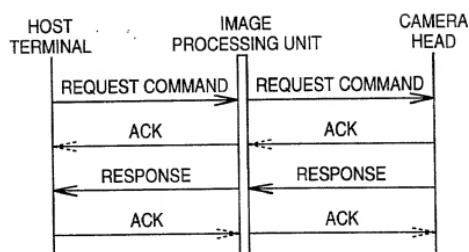
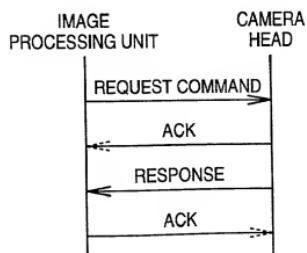
FIG. 6



T04340-65978860

FIG. 7

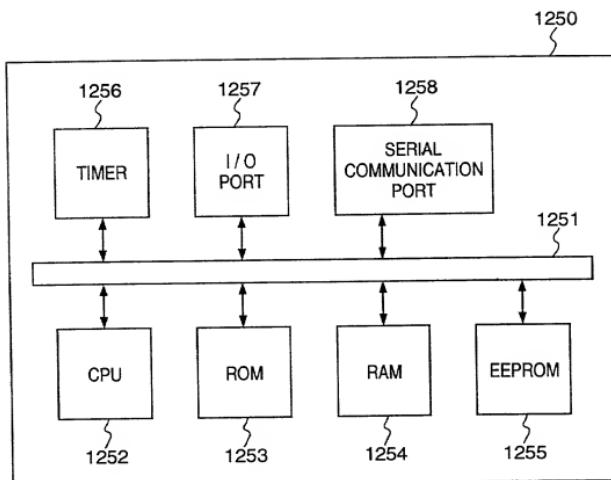


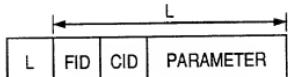
**F I G. 9A****F I G. 9B****F I G. 9C**

TOTAL PAGE = 65928850

FIG. 8

TOP SECRET//NOFORN



**F I G. 10A** COMMAND FRAME FORMAT**F I G. 10B** ACK FRAME FORMAT

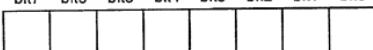
## PARAMETER

00h : NO ERROR  
OTHER : ERROR

**F I G. 10C**

## FID ( FRAME IDENTIFIER )

bit7 bit6 bit5 bit4 bit3 bit2 bit1 bit0



## ORIGINATOR DESIGNATION BITS

00 : HOST TERMINAL  
01 : IMAGE PROCESSING UNIT  
10 : CAMERA HEAD

## DESTINATION DEVICE DESIGNATION BITS

00 : HOST TERMINAL  
01 : IMAGE PROCESSING UNIT  
10 : CAMERA HEAD

## RESERVED ( FIXED TO 0 )

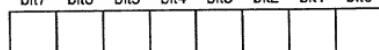
## FRAME IDENTIFICATION BIT

0 : COMMAND FRAME  
1 : ACK FRAME

**F I G. 10D**

## CID ( COMMAND IDENTIFIER )

bit7 bit6 bit5 bit4 bit3 bit2 bit1 bit0



## COMMAND TYPE BITS

## RESPONSE IDENTIFICATION BIT

1 : UNSUCCESSFUL  
0 : OTHER

**FIG. 11A**

INITIALIZATION REQUEST COMMAND

LENGTH	0 0 0 0 0 0 1 0	OCTET 1
FID	0 0 0 0 1 0 0 0	OCTET 2
CID	0 0 0 0 0 0 0 0	OCTET 3
REQUEST INITIALIZATION		

**FIG. 11B**

INITIALIZATION RESPONSE

LENGTH	0 0 0 0 0 0 1 0	OCTET 1
FID	1 0 0 0 0 0 0 1	OCTET 2
CID	0 0 0 0 0 0 0 0	OCTET 3
	RESPONSE INITIALIZATION DATA	
PARAMETER 1	CAMERA ATTRIBUTE OF PORT 1	OCTET 4
PARAMETER 2	CAMERA ATTRIBUTE OF PORT 2	OCTET 5

**FIG. 11C**

CAMERA ATTRIBUTE (PARAMETER 1, PARAMETER 2)

VALUE ( Hex )	CAMERA ATTRIBUTE
0 0	NOT CONNECTED
0 1	PANFOCUS 200,000-PIXEL CCD
0 2	PANFOCUS 400,000-PIXEL CCD
0 3	ZOOM 200,000-PIXEL CCD
0 4	ZOOM 400,000-PIXEL CCD

**FIG. 12A**

CAMERA ATTRIBUTE REQUEST COMMAND

TOPEND = 65378360

LENGTH	0 0 0 0 0 0 1 0	OCTET 1
FID	0 0 0 0 1 0 0 1	OCTET 2
CID	0 0 0 0 0 0 0 1	OCTET 3
<u>REQUEST CAMERA ATTRIBUTE</u>		

**FIG. 12B**

CAMERA ATTRIBUTE RESPONSE

LENGTH	0 0 0 0 0 0 1 1	OCTET 1
FID	0 0 0 0 0 1 1 0	OCTET 2
CID	0 0 0 0 0 0 0 1	OCTET 3
<u>RESPONSE CAMERA ATTRIBUTE</u>		
PARAMETER 1                   CAMERA ATTRIBUTE		
OCTET 4		

**FIG. 13A**

PORT CHANGEOVER REQUEST COMMAND

LENGTH	0 0 0 0 0 0 1 1	OCTET 1
FID	0 0 0 0 1 0 0 0	OCTET 2
CID	0 0 0 0 0 0 1 0	OCTET 3
PARAMETER 1	REQUEST PORT CHANGEOVER	
	PORT NUMBER	OCTET 4

09887559-DRAFT

**FIG. 13B**

PORT CHANGEOVER RESPONSE ( SUCCESSFUL )

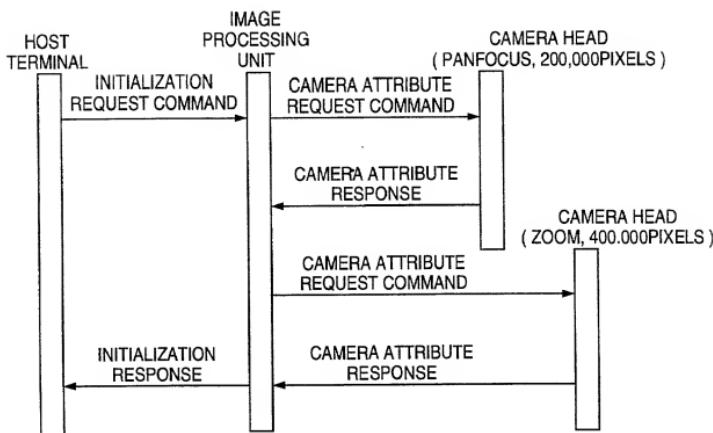
LENGTH	0 0 0 0 0 0 1 1	OCTET 1
FID	0 0 0 0 0 0 0 1	OCTET 2
CID	0 0 0 0 0 0 1 0	OCTET 3
PARAMETER 1	RESPONSE TO PORT CHANGEOVER	
	PORT NUMBER	OCTET 4

**FIG. 13C**

PORT CHANGEOVER RESPONSE ( UNSUCCESSFUL )

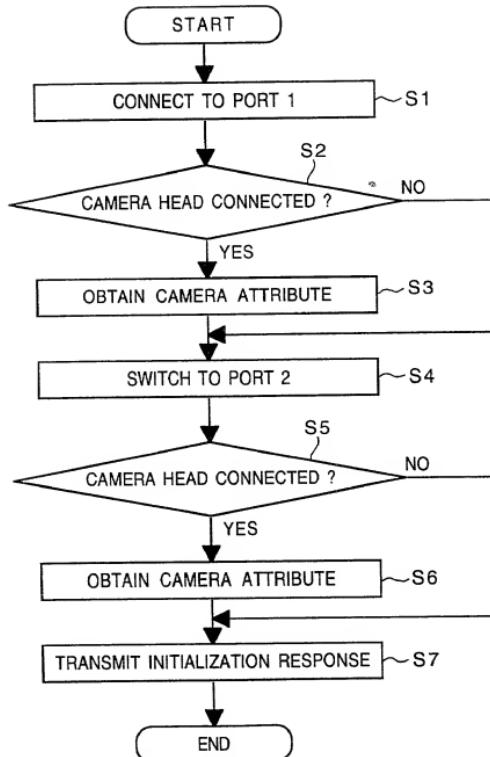
LENGTH	0 0 0 0 0 0 1 1	OCTET 1
FID	0 0 0 0 0 0 0 1	OCTET 2
CID	1 0 0 0 0 0 1 0	OCTET 3
PARAMETER 1	RESPONSE TO PORT CHANGEOVER	
	PORT NUMBER	OCTET 4

FIG. 14



09887359-04424202

F I G. 15



09887655 - 042401

# F I G. 16

FIGURE 16: PROCESS FLOW

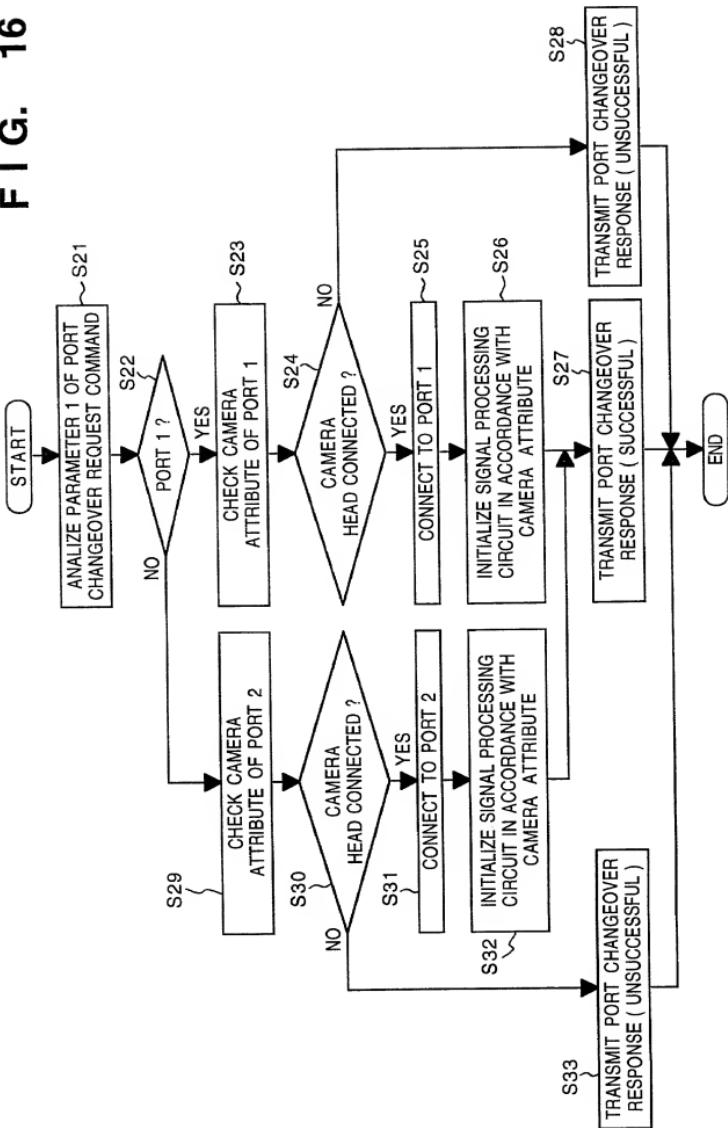


FIG. 17

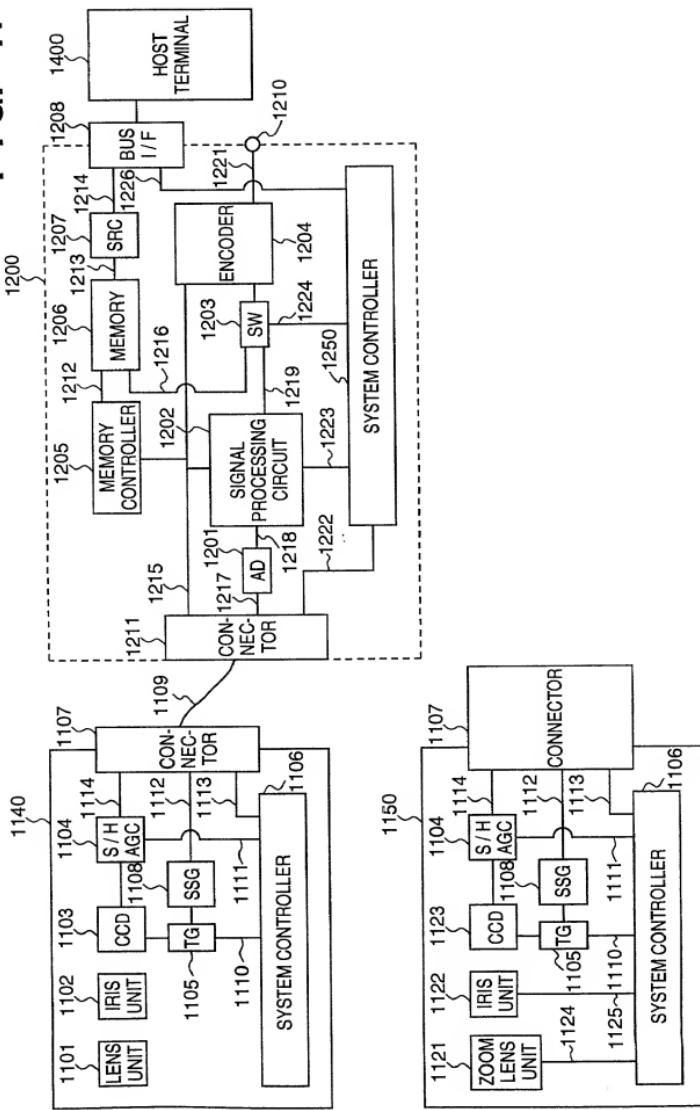


FIG. 18

